

APPENDIX E

EQUIPMENT LIST

This appendix suggests an inventory of expendable and non-expendable equipment that generally may support SI field and sampling activities. The list is provided as a possible starting point for a field office to develop a checklist of equipment for site assessment activities. Note that each item of equipment listed here is not required for every SI, nor does this list include every piece of equipment that may be needed for a particular SI. SI investigators should consult the Regional site assessment program for equipment guidelines.

EXPENDABLE EQUIPMENT

| Item | Quantity Packaged | Amount Required |
|------|-------------------|-----------------|
|------|-------------------|-----------------|

CHEMICALS

| | | |
|--------------------|-----------|--|
| Acetone | 5 gal. | |
| Acetone | 1 gal. | |
| Trichloroethane | 5 gal. | |
| Trichloroethane | 1 gal. | |
| Methylene-chloride | 5 gal. | |
| Methylene-chloride | 1 gal. | |
| Hexane | 1 gal. | |
| Gasoline | 1 gal. | |
| Gasoline | 5 gal. | |
| Nitric Acid | 1 gal. | |
| Nitric Acid | 5 ml. | |
| Sodium Hydroxide | 1 liter | |
| Motor Oil | 1 qt. | |
| 2-Cycle Oil | ½ pt. | |
| Alconox | 1 gal. | |
| Baking Soda | 2 lb. box | |

SAMPLE CONTAINERS

| | | |
|---------------------------|-----------|--|
| 40 ml. VOA Bottles | 1 each | |
| ½ gal. Amber Bottle | 1 each | |
| 1 liter Amber Bottle | 1 each | |
| 8 oz. Glass Jars | 1 each | |
| 1 liter Plastic Bottles | 1 each | |
| Plastic Bags 8" x 12" | 100 box | |
| Plastic Bags 10" x 12" | 100 box | |
| Plastic Bags 12" x 20" | 100 box | |
| Paint Cans w/lid & snaps | 1 gal. | |
| Paint Cans w/lids & snaps | ½ gal. | |
| Paint Cans w/lid & snaps | 1 qt. | |
| Vermiculite | 4 cu. ft. | |

BOOTS

| | |
|---------------------|--|
| Butyl Rubber Boots | |
| Hip Boots (Size ??) | |
| Latex Boot Covers | |
| Tyvek Boot Covers | |

GLOVES

| | |
|--------------|--|
| Neoprene | |
| Viton | |
| Butyl Rubber | |
| Cotton Work | |
| Latex | |

EXPENDABLE EQUIPMENT (Continued)

| Item | Quantity Packaged | Amount Required |
|------|-------------------|-----------------|
|------|-------------------|-----------------|

GLOVES (Continued)

| | | |
|-----------------|--|--|
| Leather Work | | |
| P.V.C. Surgical | | |

CHEMICAL RESISTANT COVERALLS

| | | |
|--------------|--|--|
| Tyvek SM | | |
| Tyvek MED | | |
| Tyvek LG | | |
| Tyvek XLG | | |
| Tyvek XXLG | | |
| Saranex SM | | |
| Saranex MED | | |
| Saranex LG | | |
| Saranex XLG | | |
| Saranex XXLG | | |

SAMPLE TUBES

| | | |
|---------------------------|--------|--|
| Glass Tube .5 mm x 300 mm | 1 each | |
| Glass Tube 1 mm x 200 mm | 1 each | |
| P.V.C. Tube 2" x 10' | 1 each | |
| P.V.C. Tube 4" x 10' | 1 each | |

FILM

| | | |
|-------------------------|-------------|--|
| C-135-36-100-Prints | 1 roll | |
| C-135-36-200-Prints | 1 roll | |
| C-135-36-400-Prints | 1 roll | |
| C-135-24-100-Prints | 1 roll | |
| C-135-24-200-Prints | 1 roll | |
| C-135-24-400-Prints | 1 roll | |
| C-135-12-100-Prints | 1 roll | |
| C-135-12-200-Prints | 1 roll | |
| C-135-12-400-Prints | 1 roll | |
| C-135-36-200-Slide | 1 roll | |
| B & W-135-20-400-Prints | 1 roll | |
| SX70 Polaroid | 1 sgl. pack | |
| Kodamatic | 1 sgl. pack | |

ROPE

| | | |
|-------------|------------|--|
| Nylon 3/16" | 600' roll | |
| Nylon 1/4" | 1000' roll | |
| Manila 1/4" | 100' roll | |
| Manila 1/2" | 50' roll | |

| EXPENDABLE EQUIPMENT (Continued) | | |
|----------------------------------|-------------------|-----------------|
| Item | Quantity Packaged | Amount Required |
| STATIONARY SUPPLIES | | |
| Graph Paper | | _____ |
| Manilla Tags | | _____ |
| Paper Towels | | _____ |
| Ball Point Pens | | _____ |
| Indelible Ink Pens | | _____ |
| TAPE | | |
| Clear Plastic | 1 each | _____ |
| Duct | 1 roll | _____ |
| Elec. Vinyl | 1 roll | _____ |
| Filament | 1 roll | _____ |
| Flagging | 100' roll | _____ |
| Masking | 1 roll | _____ |
| Transparent | 1 each | _____ |
| MISCELLANEOUS | | |
| Aluminum Foil | 500' roll | _____ |
| 17# Drums 55 gal. | 1 each | _____ |
| 17# Drums 35 gal. | 1 each | _____ |
| Kimwipes | box | _____ |
| pH Paper | 2 rolls | _____ |
| Plastic Roll 10' x 25' | 1 roll | _____ |
| Trash Bags 45 gal. | 20 box | _____ |
| Vermiculite | 1 bag | _____ |
| WRITE IN: | | |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |

*Preservatives, calibrating solutions, sample packing materials, and special items of equipment are the responsibility of the Project Manager.

NON-EXPENDABLE EQUIPMENT**Equipment****Amount Required****CAMERAS**

Canon AE1

Polaroid One Step

Polaroid SX70

Camera Bag

Binoculars

AIR MONITORING

HNU Photoionization Detector

Draeger Tubes (Type:)

Organic Vapor Analyzer

OVA Chart Recorder

Exposimeter

Combination Explosimeter and O₂ IndicatorO₂ Indicator

Draeger Tube Hand Pump

H₂S Gas Indicator

Mercury Sniffer

Photovac

Meteorological Unit

METERS

Radiation Mini-Alert

Conductivity Meter

pH Meter

Resistivity Meter (Bison)

Resistivity Meter (Soil Test)

Metal Detector

SURVEYING EQUIPMENT

Optical Rangefinder

Level, Hand 2X

Brunton Transit, w/case

Compass

200' Fiberglass Measuring Tape

300' Fiberglass Measuring Tape

Wheel Distance Recorder

PUMPS AND LIQUID SAMPLING EQUIPMENT

Double Diaphragm Pump 1"

Submersible Pump 1"

Submersible Pump 2"

Pitcher Pump 2"

NON-EXPENDABLE EQUIPMENT (Continued)**Equipment****Amount Required****PUMPS AND LIQUID SAMPLING EQUIPMENT
(Continued)**

Bacon Bomb Sampler
 Kemmerer Sampler
 LG Well Kit Sampler
 SM Well Kit Sampler
 SS Bailer
 Teflon Bailer
 Bottom Billing Bailer
 Water Level Indicator

SOIL SAMPLING EQUIPMENT

Spoons LG
 Spoons SM
 Spatula LG
 Spatula SM
 Scoops
 Trowel
 Large Stainless Steel Bucket
 Medium Stainless Steel Bucket
 Small Stainless Steel Bucket
 Split Spoon Sampler
 3" Bucket Auger
 3.5" Hand Auger
 Dredge

DECON EQUIPMENT

Indian Tank
 Heavy Duty Sprayer
 John Deere Power Spray w/gas can
 50' Section Garden Hose
 Mop
 LG Hdl Dairy Brushes
 SM Hdl Dairy Brushes
 Scrub Brushes
 Bottle Brushes
 Whisk Brushes
 Wire Brushes

STANDBY SAFETY EQUIPMENT

20# Fire Extinguishers
 O₂ Resuscitator
 Stretcher
 Eye Wash
 Trauma Kit

NON-EXPENDABLE EQUIPMENT (Continued)**Equipment****Amount Required****POWER EQUIPMENT**

Digger Mobile

3 HP Water Pump w/gas can

Generator w/gas can

Power Auger w/gas can

Extension Cord-Heavy Duty 100'

Extension Cord-Light Duty 25'

Remote Drum Opener

SELF CONTAINED BREATHING APPARATUS

401 SCBA

Dual Purpose SCBA

CASCADE System

45 cu. ft. Composite Tanks

Umbilical Breathing Air Lines (50' Sec.)

Umbilical Breathing Air System

330 cu. ft. Class "D" Breathing Air Cylinder

PERSONAL PROTECTION

Hard Hat

Safety Goggles

Safety Glasses

Splash Shield

Full Face Respirator

Respiratory Cartridges

Butyl Rubber Apron

Encapsulated Suits

Life Vests

Rain Jacket

Rain Pants

HAND TOOLS

hacksaw

Post Hole Digger

Bung Wrench

Rake

Saw

Ax (Bush, Pick, Hand)

Shovel

NON-EXPENDABLE EQUIPMENT (Continued)**Equipment****Amount Required****MISCELLANEOUS**

Beeper

Ventilation Smoke Tube Assy.

Isotemp Oven

Wind Speed and Direction Finder

Garbage Can

Clipboard

LG Ice Chest

SM Ice Chest

Walkie Talkies

WRITE IN:
